

				40		60
SYHLDTTAPP	PTNLSTLPNN	TLFHVWRPRA	HILPAEQIG	DPCAHYTDPS	TGLFHVGFH	
TYPIDYNSA	PPNLSTLANN	SLFETWRPRA	HVLPPQNQIG	DPCMHYTDPE	TGIFHVGVLY	
FHTPIDYNSA	PPNLSTLANA	SLFKTWRPRA	HLLPPSGNIG	DPCGHYTDPK	TGLFHVGVLY	
62						120
DGDIAGATT	ANLATYTDTS	DNGSFLIQPG	GKNDPVAVFD	GAVIPVGVNN	TPTLLYTSVS	
NGNGASGATT	EDLVTYQDLN	PDGAQMILPG	GVNDPIAVFD	GAVIPSGIDG	KPTMMYTSVS	
SG--ISGATT	DDLVTYKDLN	PDGAPSIVAG	GKNDPLSVFD	GSVIPSGIDG	MPTLLYTSVS	
122	128			165	170	180
ELPIHWSIPY	TRGSETQSLA	VARDGGRRFD	KLDQGPVIAD	HPFAMDVTA	RDPFVVERSAK	
YMPISWAIAY	TRGSETHSLA	VSSDGGKNFT	KLVOGPVIPS	PPFGANVTSW	RDPFLFQNPQ	
YLPIHWSIPY	TRGSETQSLA	VSVDGGHNFT	KLNOGPVIPT	PPFALNVTAF	RDPYVFQSPI	
				221		240
LDVLLSLDEE	VARNETAVQQ	AVDGWTEKNA	PWYVAVSGGV	HGVGPAQFLY	RQNGGNASEF	
FDSLLE----	-----	-----SENG	TWYTVISGGI	HGDGPSAFLY	RQHD---PDF	
LDKSVN----	-----	-----STQG	TWYVAISGGV	HGVGPCQFLY	RQND---ADF	
						300
QYWEYLGEWW	QEATNSSWGD	EGTWAGRWGF	NFETGNVLF	TEEGHDPQTG	EVFVTLGTEG	
QYWEYLGPWW	NEEGNSTWGS	-GDWAGRWGY	NFEVINIVGL	DDDGYNP-DG	EIFATVGTEW	
QYWEYLGQWW	KEPLNTTWGK	-GDWAGGWGF	NFEVGNVFSL	NAEGYSE-DG	EIFITLGAEG	
	313					360
SGLPIVPQVS	SIHMLWAAG	EVGVGSEQEG	AKVEFSPSMA	GFLDWGFSAY	AAAGKVLPAS	
SFDPIKPQAS	DNREMLWAAG	NMTL-----ED	GDIKFTPSMA	GYLDWGLSAY	AAAGKELPAS	
SGLPIVPQVS	SIHMLWVTG	NVTN-----D	GSVTFKPTMA	GVLDWGVSA	AAAGKILPAS	

FIG. 1

	379	381	386	395	420
SAVSKTSGVE	VDRYVSFVWL	TGDQYEQADG	FPTAQQGWG	SLLLPRELKV	QTVENVVDNE
SKPS-QKSGA	PDRFVSYLWL	TGDYFEGHD-	FPTPOQNWG	SLLLPRELSV	GTIPNVVDNE
SQAS-TKSGA	PDRFISYVWL	TGDLFEQVKG	FPTAQQNWG	ALLLPREINV	RTISNVVDNE
					480
LVREEGVSWV	VGESDNQTAR	LRTLGITIAR	ETKAALLANG	SVTAEEDRTL	QTAAVVPFAQ
LARETG-SWR	VGTDNTGVLE	LVTLKQEIAR	ETLAEMTSGN	SFT-EASRNV	SSPGSTAFQQ
LSRESLTSWR	VAREDSGQID	LETMGISISR	ETYSALTSGS	SFV-ESGKTL	SNAGAVPENT
					540
SPSSKFFVLT	AQLEFPASAR	SSPLQSGFEI	LASELERTAI	YYQFSNESLV	VDRSQTSAAA
SLDSKFFVLT	ASLSFPSSAR	DSDLKAGFEI	LSSEFESTTV	YYQFSNESII	IDRSNSSAAA
SPSSKFFVLT	ANISFPTSAR	DSGIQAGFQV	LSSSLESTTI	YYQFSNESII	VDRSNTSAAA
	550				600
PTNPGLDSEF	ESGKLRLFDV	IENGQEQVET	LDLTVVVDNA	VVEVYANGRF	ALSTWARSWY
LTTDGIDTRN	EFGKMRLFDV	VEGDQERIET	LDLTIIVDNS	IVEVHANGRF	ALSTWVRSWY
RTTAGILSDN	EAGRLRLFDV	LRNGKEQVET	LELTIIVDNS	VLEVYANGRF	ALGTWARSWY
DNSTQIRFFH	NGEGEVQFRN	VSVSEGLYNA	WPERN*		
ESSKDIKFFH	DGDSTVQFSN	ITVYEGLFDA	WPERAR*		
ANSTKINFFH	NGVGEATFED	VTVFEGLYDA	WPQRK*		

FIG. 2